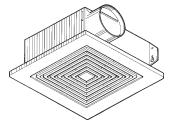




**MODEL FF50** 



# Simple installation and dependability make this odor and moisture removing fan a real value.

### FEATURES

GRILL:

- · Matte white polymeric blends well with any decor
- Torsion spring grill mounting no tools required

#### MOTOR:

- · Plug-in, permanently lubricated
- Polymeric blower wheel
- Snap in/out motor assembly for easy cleaning no screws to drive or drop

### HOUSING:

- Compact, galvanized steel attaches easily to wall or ceiling joists
- Double strength mounting flanges with keyhole slots
- Removable wiring cover make connections away from tight corners
- No electrical knockout to remove
- Polymeric duct fitting with tapered sleeve for easy, positive duct connection
- Quiet polymeric damper prevents cold backdrafts no metallic clatter

U.L. Listed for use in tub/shower enclosure with GFCI branch wiring.

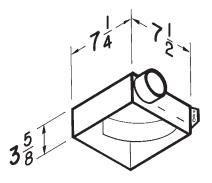
### **TYPICAL SPECIFICATION**

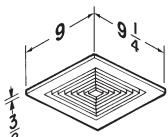
Ventilator shall be Model FF50.

Ventilator shall have galvanized steel housing with double-strength mounting flanges. It shall be ducted vertically (horizontally) to a roof cap (wall cap).

Motor assembly shall be removable and permanently lubricated.

Air delivery shall be not less and sound levels no greater than listed. All air and sound ratings shall be certified by AMCA. Units shall be U.L. Listed.





### AMCA LICENSED PERFORMANCE RATINGS

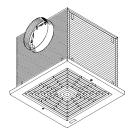
Model No.		CFM/S	ONES @ SI	tatic Press H₂O)	ure (Ps - In	ches of	Volts	Watts	Nominal RPM	Duct Size	Weight
		0.0	0.1	.125	.250	.375					
FF50	CFM	56	51	50	46	41	120	EE	1700	3"	4.0 lba
FF50	Sones	3.4					120	55	1700	Round	4.2 lbs.

Performance ratings include the effects of inlet grill and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet fan sone levels. Performance shown is for Installation Type B: Free inlet, Ducted outlet.





# FF100 & FF150 CEILING MOUNT VENTILATORS



# Incredibly reliable. Unbelievably quiet. Offering the CFM choices you need at the lowest sound levels in the industry.

#### FEATURES

GRILL:

- · Conceals interior
- · Low profile styling blends with any decor
- White polymeric `

#### BLOWER:

- Low RPM for quiet operation
- Resilient anti-vibration mounts
- Dynamically-balanced, polymeric, centrifugal blower wheel for quiet, efficient performance
- · Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120 VAC
- Designed for continuous operation

#### HOUSING:

- Rugged, 20 gauge galvanized steel
- 6" round duct connector
- 1/2" acoustic insulation inside
- May be installed in ceiling or wall (size permitting)
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Automatic backdraft damper located within duct connector
- Factory-shipped in horizontal discharge position easily converted to vertical discharge
- May be installed as an in-line ventilator with addition of accessory kit Model 961L
- ACCESSORIES (purchase all separately):
- Model 961L In-line Adapter Plate
- Model RD1 Radiation Damper



Soler & Palau Ventilation Group, certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program.

#### WEIGHT

MODEL NO.	SHIPPING WT.
FF100	22.8 lbs.
FF150	23.1 lbs.



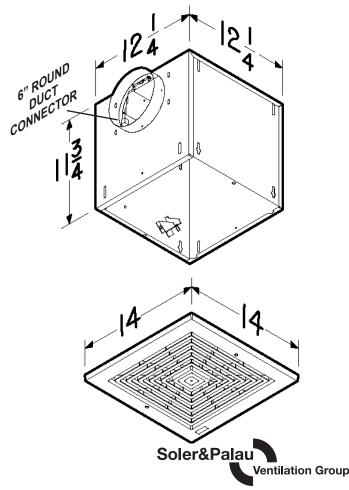
#### **TYPICAL SPECIFICATION**

Ventilator shall have galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing to have adjustable mounting brackets.

Automatic backdraft damper to be located within duct connector. Duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

Blower unit shall be removable from housing and will have a polymeric, dynamically balanced centrifugal-type blower wheel. Motor to be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA. Units to be cULus listed.



Subject to change unless approved in submittal by Soler & Palau USA

# PERFORMANCE RATINGS - CEILING MOUNT VENTILATORS FF100 & FF150

#### AMCA LICENSED PERFORMANCE RATINGS

		с	FM/SO	NES -			SSURE	S (Ps -	inches	of H <sub>2</sub> O)					
MODEL NO.	NOMINAL VOLTAGE		0.0"	.10"	.125"	.250"	.375"	.50"	.625"	.750"	.875"	1.0"	NOMINAL RPM	AMPS @ 60 Hz	WATTS
			Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps			
		CFM Hor.	136	115	109	93	80	65	44	-	-	-	640	1 1	87
FF100	120 VAC	SONES Hor.	0.5	0.8	0.9	1.3	1.8	2.3	3.0	-	-	-	040	1.1	01
FFIUU		CFM Ver.	138	117	112	94	80	67	46	13	-	-	650	1.1	87
		SONES Ver.	0.7	0.9	1.0	1.3	1.8	2.2	2.8	3.0	-	-			
		CFM Hor.	181	161	157	141	132	124	114	94	62	-	740	1.2	100
	120 VAC	SONES Hor.	1.3	1.4	1.5	2.2	2.6	3.1	3.6	4.1	4.6	-	710	1.3	100
FF150		CFM Ver.	179	163	160	149	142	133	122	105	73	23	750	1.0	100
		SONES Ver.	1.4	1.6	1.6	2.0	2.5	3.0	3.3	3.6	3.9	4.2	750	1.3	100

Performance ratings include the effects of inlet grill and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet fan sone levels. Performance shown is for Installation Type B: Free inlet, Ducted outlet.

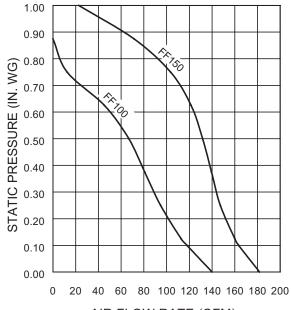


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GFCI-protected

branch circuit.

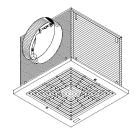


AIR FLOW RATE (CFM)





## FF200, FF250 & FF300 CEILING MOUNT VENTILATORS



# Incredibly reliable. Unbelievably quiet. Offering the CFM choices you need at the lowest sound levels in the industry.

#### **FEATURES**

GRILL:

- Conceals interior
- · Low profile styling blends with any decor
- White polymeric

BLOWER:

- Low RPM for quiet operation
- Resilient anti-vibration mounts
- Dynamically-balanced, polymeric, centrifugal blower wheel for quiet, efficient performance
- · Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120 VAC
- Designed for continuous operation

#### HOUSING:

- · Rugged, 20 gauge galvanized steel
- 8" round duct connector
- 1/2" acoustic insulation inside
- May be installed in ceiling or wall (size permitting)
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Automatic backdraft damper located within duct connector
- Factory-shipped in horizontal discharge position easily converted to vertical discharge
- May be installed as an in-line ventilator with addition of accessory kit Model 981L

ACCESSORIES (purchase all separately):

- Model 981L In-line Adapter Kit
- Model RD1 Radiation Damper



Soler & Palau Ventilation Group, certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program.

cULus listed for use over bathtubs

and showers when connected to a GFCI-protected branch circuit.

### WEIGHT

MODEL NO.	SHIPPING WT.
FF200	23.0 lbs
FF250	23.1 lbs
FF300	23.1 lbs

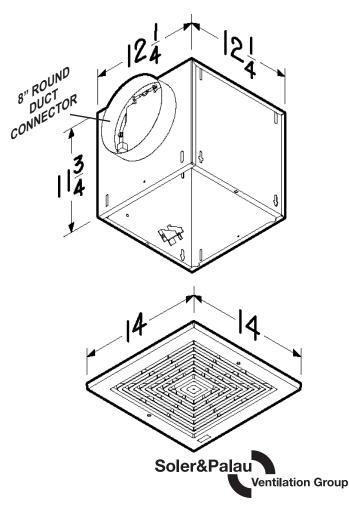
### **TYPICAL SPECIFICATION**

Ventilator shall have galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing to have adjustable mounting brackets.

Automatic backdraft damper to be located within duct connector. Duct connector, blower assembly, and wiring plate shall be adjustable for either horizontal or vertical installation.

Blower unit shall be removable from housing and will have a polymeric, dynamically balanced centrifugal-type blower wheel. Motor to be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA. Units to be cULus listed.



# PERFORMANCE RATINGS - CEILING MOUNT VENTILATORS FF200, FF250 & FF300

#### AMCA LICENSED PERFORMANCE RATINGS

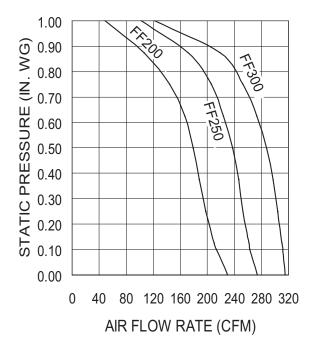
		с	FM/SO	NES - A	AT STAT		SSURE	S (Ps -	inches	of H <sub>2</sub> O)					
MODEL NO.	NOMINAL VOLTAGE		0.0"	.10"	.125"	.250"	.375"	.50"	.625"	.750"	.875"	1.0"	NOMINAL RPM	AMPS @ 60 Hz	WATTS
			Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps			
		CFM Hor.	231	214	210	196	186	177	165	144	113	51	740	1.8	127
FF200	120 VAC	SONES Hor.	1.6	1.8	1.7	2.3	2.9	3.5	4.1	4.9	5.3	5.3	740	1.0	121
FF200	120 VAC	CFM Ver.	224	210	207	197	187	179	167	144	99	41	760	10	127
		SONES Ver.	1.5	1.8	2.0	2.3	2.7	3.4	4.0	4.5	5.1	5.2	700	1.8	
	120 VAC	CFM Hor.	272	261	259	250	242	233	218	201	165	99	830	2.1	166
FF250		SONES Hor.	2.1	2.3	2.2	2.9	3.3	3.9	4.4	4.8	5.5	5.8			100
FF230	120 VAC	CFM Ver.	269	261	259	253	248	239	224	203	171	101	860		166
		SONES Ver.	2.3	2.6	2.7	3.0	3.3	3.7	4.2	4.7	5.4	5.6	800	2.1	
		CFM Hor.	312	309	308	303	296	287	273	254	219	125	905	2.6	212
FF300	120 VAC	SONES Hor.	2.8	2.9	2.9	3.3	3.5	3.9	4.3	4.7	5.1	5.6	905	2.0	212
FF300	120 VAC	CFM Ver.	319	314	313	306	299	288	274	251	219	120	040		212
		SONES Ver.	2.6	2.9	3.0	3.4	3.6	3.9	4.4	4.7	5.0	5.5	940	2.6	212

Performance ratings include the effects of inlet grill and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: free inlet fan sone levels. Performance shown is for Installation Type B: Free inlet, Ducted outlet.



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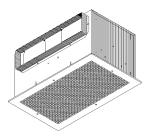








## FF400, FF500 & FF700 **CEILING MOUNT** VENTILATORS



Incredibly reliable. Unbelievably guiet. Offering the CFM choices you need at the lowest sound levels in the industry.

#### **FEATURES**

GRILL:

- Conceals interior
- · Low profile styling blends with any decor
- Metal, finished with white painted enamel

#### BLOWER:

- Low RPM for guiet operation
- Resilient anti-vibration mounts
- · Balanced, polymeric, centrifugal blower wheel for quiet, efficient performance
- · Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120 VAC
- Designed for continuous operation

#### HOUSING:

- · Rugged, 20 gauge galvanized steel
- 4½" x 18½" duct connector
  1/2" acoustic insulation inside
- May be installed in ceiling or wall (size permitting)
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Automatic backdraft damper located within duct connector
- · Factory-shipped in horizontal discharge position -
- easily converted to vertical discharge
- May be installed as an in-line ventilator with addition of accessory kit Model 982L

ACCESSORIES (purchase all separately):

- Model 423 Transition (4<sup>1</sup>/<sub>2</sub>" x 18<sup>1</sup>/<sub>2</sub>" to 10<sup>4</sup> round)
- Model RD2 Radiation Damper



Soler & Palau Ventilation Group certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program.

### WEIGHT

MODEL NO.	SHIPPING WT.
FF400	33.8 lbs
FF500	33.8 lbs
FF700	33.9 lbs



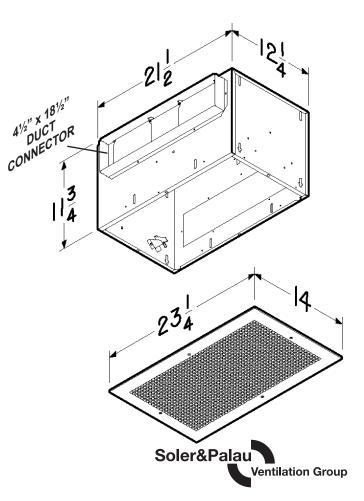
#### **TYPICAL SPECIFICATION**

Ventilator shall have galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing to have adjustable mounting brackets.

Automatic backdraft damper to be located within duct connector. Duct connector, blower assembly, and wiring plate shall be adjustable for either horizontal or vertical installation.

Blower unit shall be removable from housing and will have a polymeric, balanced centrifugal-type blower wheel. Motor to be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA. Units to be cULus listed.



# PERFORMANCE RATINGS - CEILING MOUNT VENTILATORS FF400, FF500 & FF700

#### AMCA LICENSED PERFORMANCE RATINGS

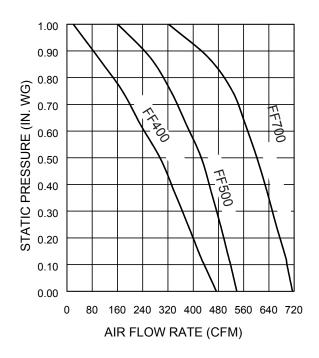
	NOMINAL VOLTAGE	с	FM/SO	NES -	AT STA		SSURE	S (Ps -	inches	of H <sub>2</sub> O)					
MODEL NO.			0.0"	.10"	.125"	.250"	.375"	.50"	.625"	.750"	.875"	1.0"	NOMINAL RPM	AMPS @ 60 Hz	WATTS
			Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps			
		CFM Hor.	480	442	434	388	344	299	229	182	114	-	735	1.4	146
FF400	100 \/A C	SONES Hor.	2.0	2.4	2.3	2.8	3.3	3.8	4.5	4.8	5.4	-	735	1.4	
FF400	120 VAC	CFM Ver.	467	428	416	378	335	291	237	170	85	8	755	1.4	146
		SONES Ver.	2.3	2.6	2.6	3.0	3.5	4.0	5.1	5.5	5.7	5.9	755	1.4	
	120 VAC	CFM Hor.	538	520	514	491	463	434	389	339	282	186	810	2.2	232
FF500		SONES Hor.	3.0	3.1	3.3	3.6	4.0	4.4	5.0	5.7	6.2	6.7			232
		CFM Ver.	539	517	512	481	451	418	367	319	247	137	865		232
		SONES Ver.	2.9	3.1	3.2	3.4	3.8	4.2	4.8	5.9	6.3	6.4	600	2.2	
		CFM Hor.	722	704	701	667	640	607	571	534	453	333	060	2.0	212
FF700	120.1/4.0	SONES Hor.	4.5	4.6	4.7	4.8	5.0	5.2	5.6	6.2	7.1	7.2	960	2.9	313
	120 VAC	CFM Ver.	708	691	687	658	628	597	560	515	444	312	095	2.9	313
		SONES Ver.	5.2	5.0	5.0	5.7	5.8	6.1	6.4	7.4	7.1	7.6	985		

Performance ratings include the effects of inlet grill and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: Free inlet fan sone levels. Performance shown is for Installation Type B: Free inlet, Ducted outlet.



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## FF900 & FF1500 CEILING MOUNT VENTILATORS



# Incredibly reliable. Unbelievably quiet. Offering the CFM choices you need at the lowest sound levels in the industry.

#### **FEATURES**

GRILL:

- Conceals interior
- Low profile styling blends with any decor
- Metal, finished with white painted enamel

#### BLOWER:

- Low RPM for quiet operation
- · Resilient anti-vibration mounts
- Dynamically-balanced, polymeric, centrifugal blower wheel for quiet, efficient performance
- · Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120 VAC
- · Designed for continuous operation

### HOUSING:

- Rugged, 20 gauge galvanized steel
- 1/2" acoustic insulation inside
- · May be installed in ceiling or wall (size permitting)
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Automatic backdraft damper located within duct connector
- Factory-shipped in horizontal discharge position for 8" x 12" ductwork
- May be converted to vertical discharge
- May be installed as an in-line ventilator with addition of accessory kit Model 983L

### ACCESSORIES (purchase all separately):

- Model T81212 Transition (8" x 12" to 12" round)
- Model RD3 Radiation Damper



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#### WEIGHT

MODEL NO.	SHIPPING WT.
FF900	64.2 lbs
FF1500	64.3 lbs



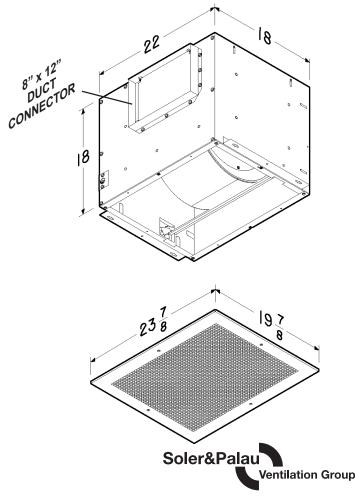
### TYPICAL SPECIFICATION

Ventilator shall have galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing to have adjustable mounting brackets.

Automatic backdraft damper to be located within duct connector. Duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

Blower unit shall be removable from housing and will have a polymeric, centrifugal-type blower wheel. Motor to be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

Air delivery shall be no less and sound levels no greater than listed for each model. All air and sound ratings shall be certified by AMCA. Units to be cULus listed.



# PERFORMANCE RATINGS - CEILING MOUNT VENTILATORS FF900 & FF1500

#### AMCA LICENSED PERFORMANCE RATINGS

MODEL			CFM/S	ONES -	AT STA	TIC PRE	SSURE	S (Ps - iı	nches of	f H <sub>2</sub> O)					WATTS
MODEL NO.	NOMINAL VOLTAGE		0.0"	.10"	.125"	.250"	.375"	.50"	.625"	.750"	.875"	1.0"	NOMINAL RPM	AMPS @ 60 Hz	
			Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps			
		CFM Hor.	918	905	901	877	842	793	725	636	536	390	650	2.0	306
FF900	120 VAC	SONES Hor.	3.8	4.0	4.1	4.0	4.2	4.3	4.4	4.9	4.5	5.3	650	3.0	300
FF900		CFM Ver.	909	892	885	850	807	756	695	568	440	282	650	3.0	200
		SONES Ver.	3.8	3.4	3.4	3.5	3.6	3.7	3.9	4.2	4.3	4.4			306
		CFM Hor.	1578	1526	1513	1438	1371	1285	1198	1103	1000	816	055		469
	400.1/4.0	SONES Hor.	8.6	8.4	8.4	8.1	7.5	7.0	6.7	6.2	5.8	5.8	955	6.2	468
FF1500		CFM Ver.	1590	1519	1502	1423	1340	1259	1176	1069	954	689	055	<u> </u>	400
		SONES Ver.	8.5	8.4	8.4	8.1	7.9	7.5	7.2	7.1	6.9	6.5	955	6.2	468

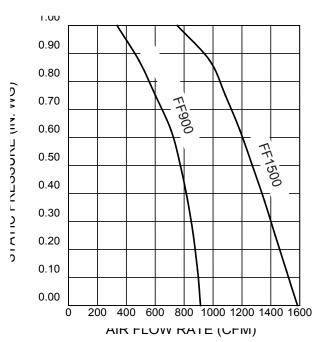
Performance ratings include the effects of inlet grill and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B: Free inlet fan sone levels. Performance shown is for Installation Type B: Free inlet, Ducted outlet.



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cULus listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit.



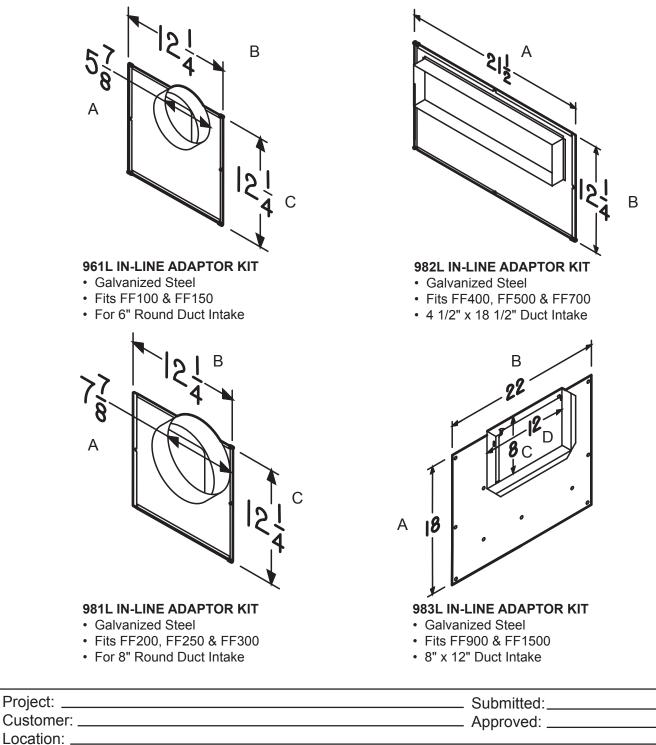






#### P: 800.961.7370 www.solerpalau-usa.com

### **IN-LINE ADAPTOR KITS FOR FF UNITS**



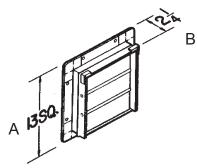




# CEILING & INLINE VENTILATOR ACCESSORIES

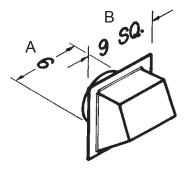
### WALL CAPS FOR FF/FFC UNITS

A



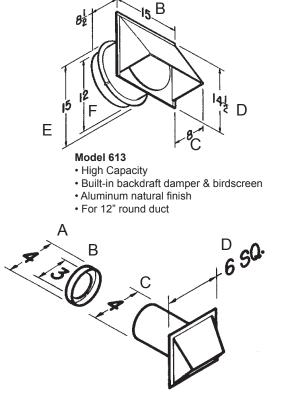
#### Model 441

- Gravity dampers
- Collar with birdscreen for attaching 10" round duct
- Steel construction with aluminum louvers



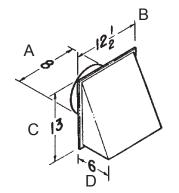
#### Model 641

- Aluminum natural finish
- Built-in backdraft damper & birdscreen
- For 6" round duct



#### Model 642

- Aluminum natural finish
- Built-in backdraft damper
- For 3" or 4" round duct
- (4" to 3" transition included)



#### Model 643

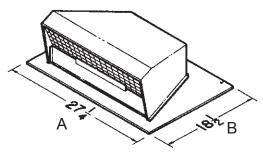
- Aluminum natural finish
- Built-in backdraft damper
- For 8" round duct





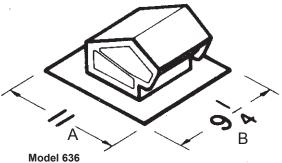
# **CEILING AND IN-LINE VENTILATOR ACCESSORIES**

### **ROOF CAPS FOR FF/FFC UNITS**



#### Model 437

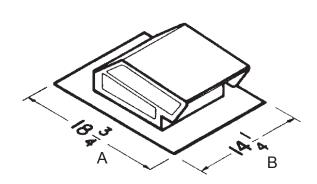
- · High capacity design up to 1200 CFM
- Built-in birdscreen
- · Steel, black electrically bonded epoxy finish



- Black electrically bonded epoxy finish
  Built-in backdraft damper & birdscreen
- For 3" or 4" round duct

#### Model 636AL

- Same as Model 636 except Aluminum
- Natural finish

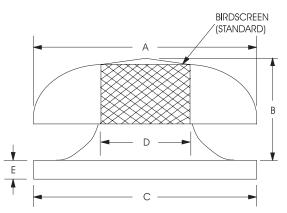


#### Model 634

- Black electrically bonded epoxy finish
- Built-in backdraft damper & birdscreen
- For 3 1/4" x 10" or up to 8" round duct

#### Model 644

- Same as Model 634 except Aluminum
- Natural finish



Model RCXII - 18" and 20" units

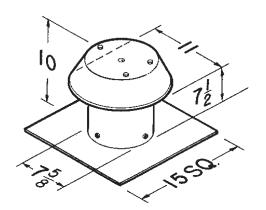
Size	Α	В	с	D	Е	Est. Wt.
18	32 3/4	12 1/2	29 1/2	18 5/8	2	35
20	32 3/4	12 1/2	29 1/2	20	2	35



# CEILING AND IN-LINE VENTILATOR ACCESSORIES

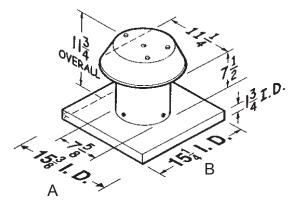


### **ROOF CAPS FOR FF/FFC UNITS**



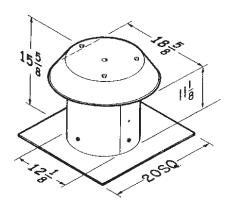
#### Model 611

- For flat roof installation
- Aluminum natural finish
- Built-in birdscreen
- For up to 8" round duct



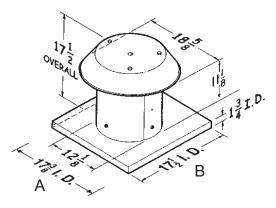
#### Model 611CM

- For curb mount installation
- Aluminum natural finish
- Built-in birdscreen
- For up to 8" round duct



#### Model 612

- For flat roof installation
- Aluminum natural finish
- Built-in birdscreen
- For up to 12" round duct



#### Model 612CM

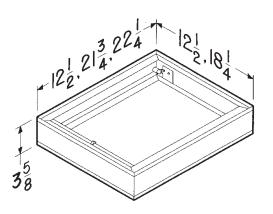
- For curb mount installation
- Aluminum natural finish
- Built-in birdscreen
- For up to 12" round duct





# CEILING AND IN-LINE VENTILATOR ACCESSORIES

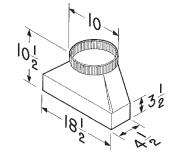
### RADIATION DAMPERS, DUCT TRANSITIONS, METAL GRILLS FOR FF/FFC UNITS

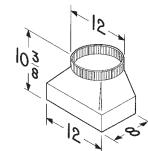


### Models RD1, RD2 & RD3 Radiation Dampers

• UL rated 4-hour ceiling radiation dampers - classified for use in a 4-hour fire-rated ceiling

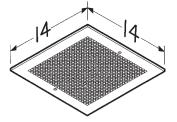
- Or use in a 4-nour life-ra
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- 165°F fusible link
- · Stainless steel negator-type closure spring
- RD1 (12 1/4' x 12 1/4") fits FF100 FF300
- RD2 (211/2" x 18") fits FF400 FF700
- RD3 (22" x 18") fits FF900 FF1500





### Models 423 & T81212 Duct Transitions

- Galvanized steel
- Allows for quick transition to easy-to-obtain-and-install round ducting
- 423 ( 4 1/2" x 18" to 10 round) for use with FF400 thru FF700
- T81212 ( 8" x 12" to 12" round) for use with FF900 and FF1500



### Model MG 1 Metal Grill Kit

- White enamel painted steel
- Mounting screws included
- Fits FF100, FF150, FF200, FF250 & FF300

